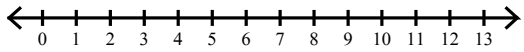


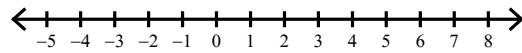
Inequalities

Solve each compound inequality and graph its solution.

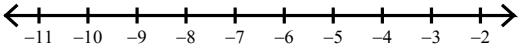
1) $\frac{n}{10} \geq 1$ or $n + 8 \leq 13$



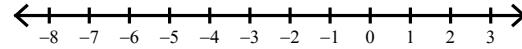
2) $x - 2 > 2$ or $-7x \geq 0$



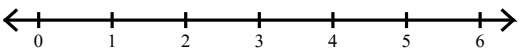
3) $k - 3 > -12$ and $-2 + k < -6$



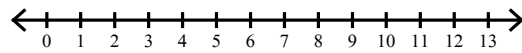
4) $-12 \leq a - 5 \leq -3$



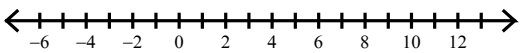
5) $3x + 10 \geq 22$ or $2 + x > 12$



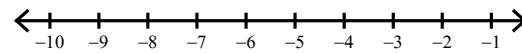
6) $x + 8 > 17$ or $3x - 7 < 2$



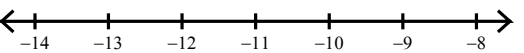
7) $-5 - 10m \geq 15$ or $6m + 3 > 63$



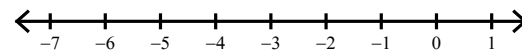
8) $3n - 8 < -29$ or $3 - 2n < 11$



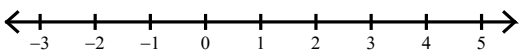
9) $3 - 5x \leq -7x + 5 < -8x - 7$



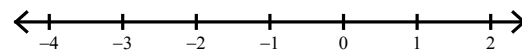
10) $-2n - 2 > -3n - 8$ and $2 - 6n > 8n + 2$



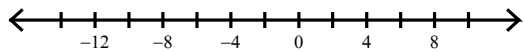
11) $4 - 4b > -3b + 5$ or $-4b + 4 \leq -10b + 10$



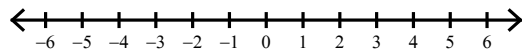
12) $7p + 2 < 8 + 9p \leq 8 - 7p$



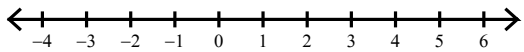
13) $|-3p - 7| \geq 28$



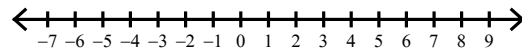
14) $|-7k + 1| > 13$



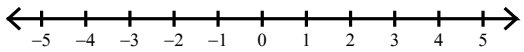
15) $|10 - 7x| < -60$



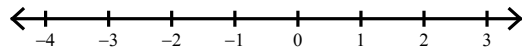
16) $|8n - 8| < 40$



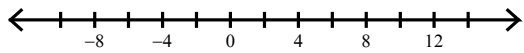
17) $-9 + 7|4 + 2x| \leq -23$



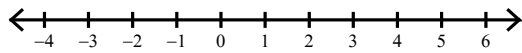
18) $8|7v + 2| + 5 > 45$



19) $4|-2 + 2a| - 10 \geq 62$



20) $-10|-6x + 2| + 9 < -91$



Answers to Inequalities

1) $n \geq 10$ or $n \leq 5$:

2) $x > 4$ or $x \leq 0$:

3) $-9 < k < -4$:

4) $-7 \leq a \leq 2$:

5) $x \geq 4$:

6) $x > 9$ or $x < 3$:

7) $m \leq -2$ or $m > 10$:

8) $n < -7$ or $n > -4$:

9) $x < -12$:

10) $-6 < n < 0$:

11) $b \leq 1$:

12) $-3 < p \leq 0$:

13) $p \leq -\frac{35}{3}$ or $p \geq 7$:

14) $k < -\frac{12}{7}$ or $k > 2$:

15) No solution. :

16) $-4 < n < 6$:

17) No solution. :

18) $v > \frac{3}{7}$ or $v < -1$:

19) $a \geq 10$ or $a \leq -8$:

20) $x < -\frac{4}{3}$ or $x > 2$: